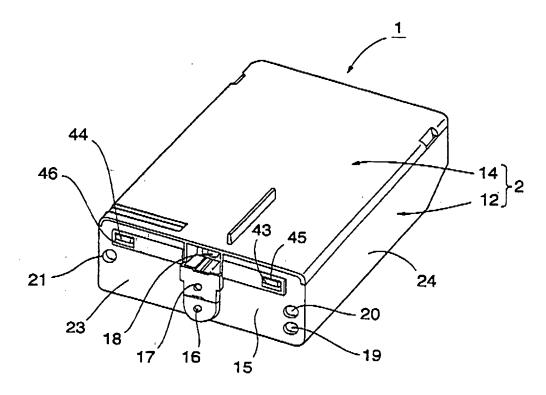
Fig.1



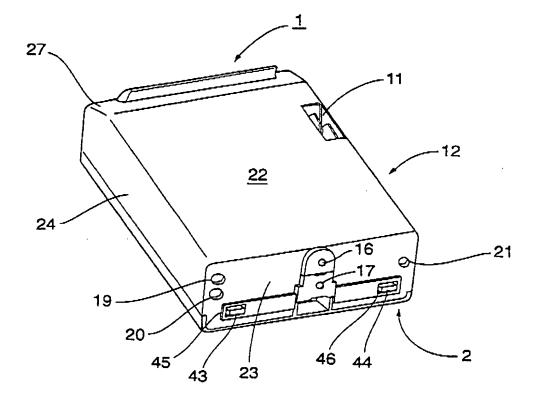
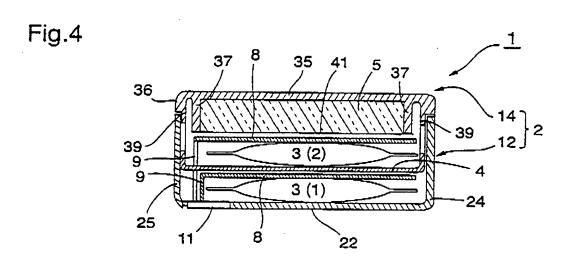
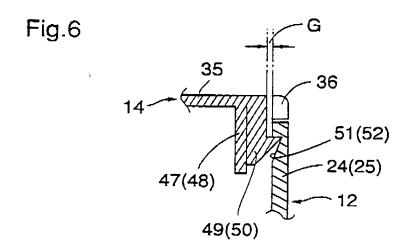
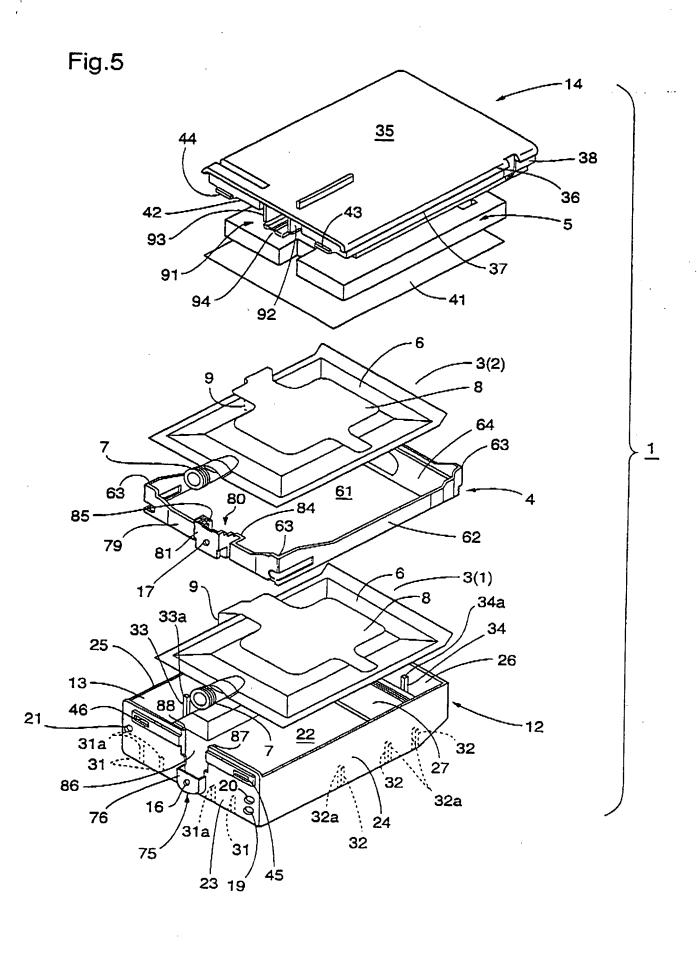


Fig.3 V 18-<u>5</u> -38 3(2) 80 -83a -76 3(1) -12 







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Fig.7

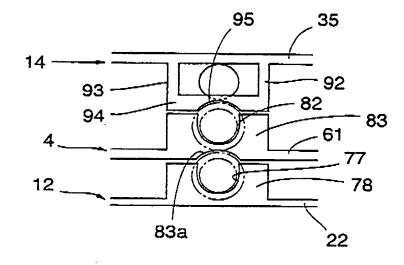
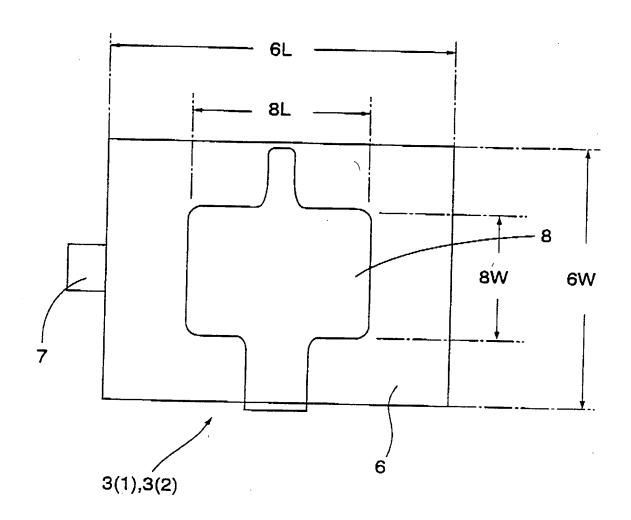
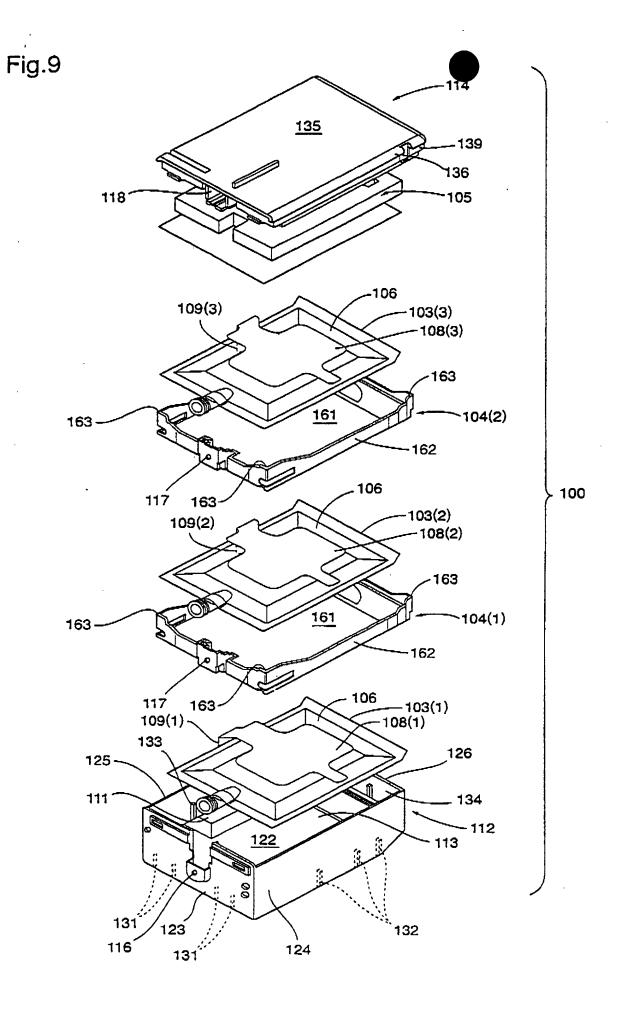


Fig.8





Jane H. Bern flier, "H" A" flier, H"B The first first than the first so

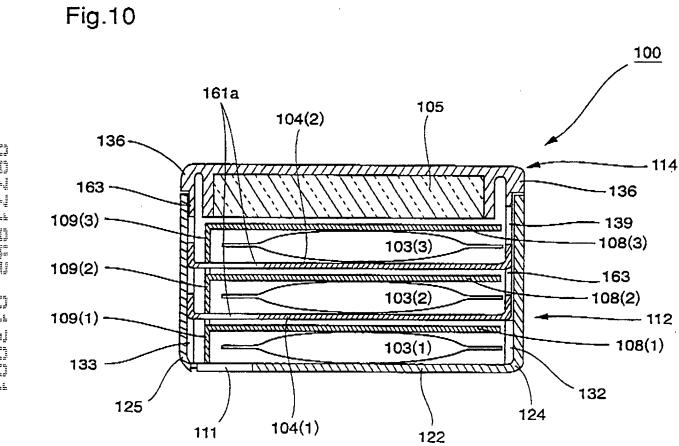


Fig.11

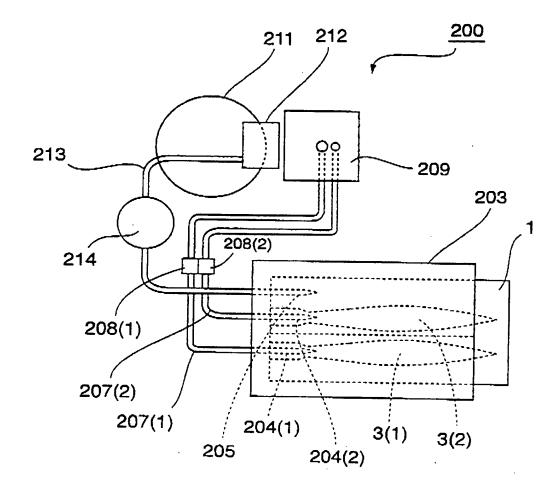
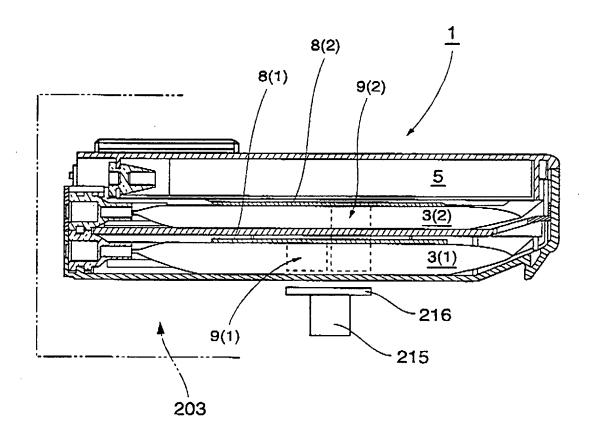
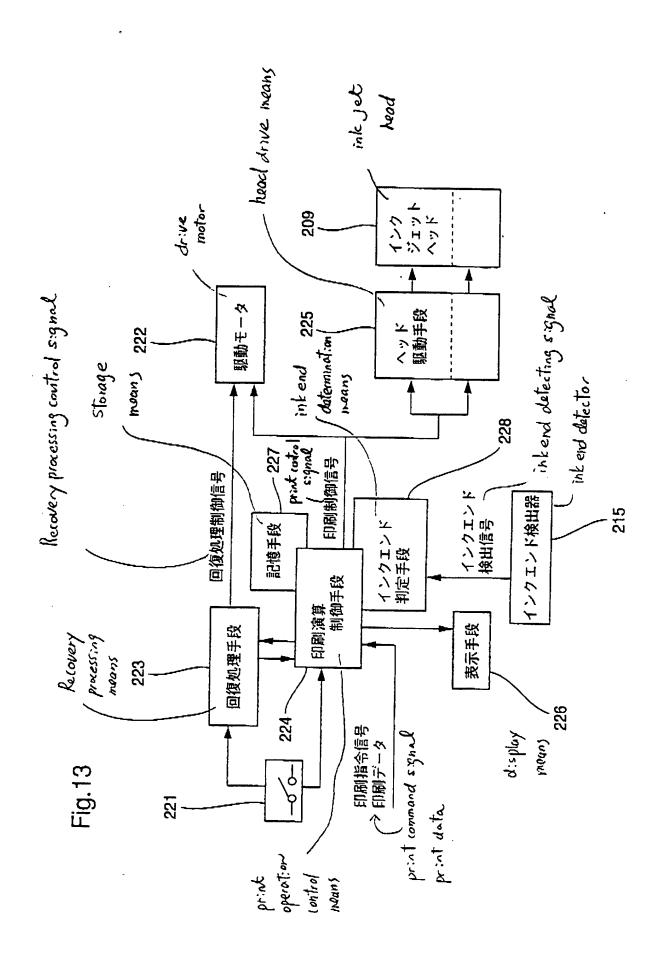


Fig.12





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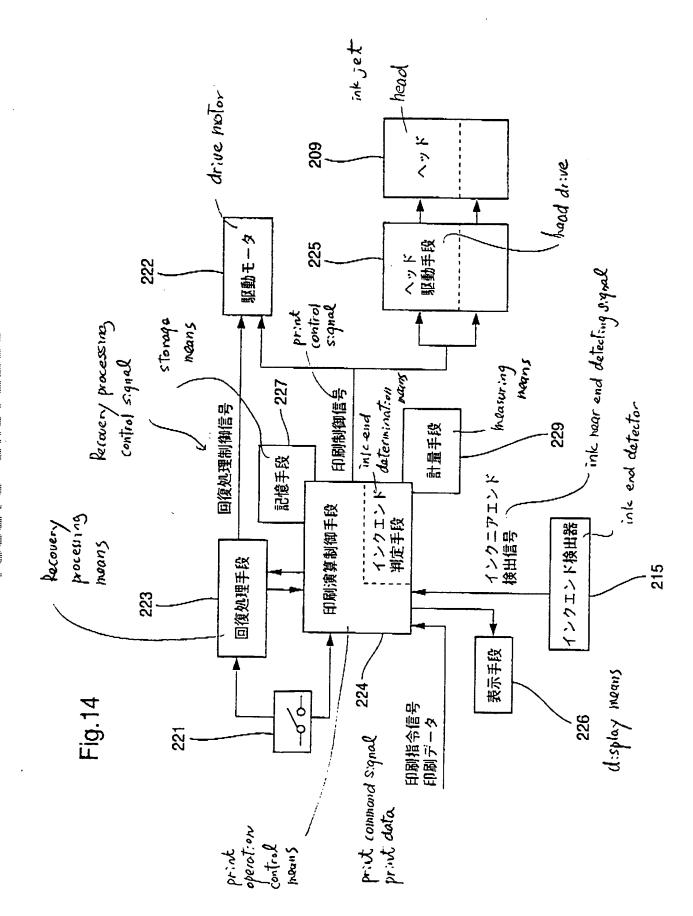
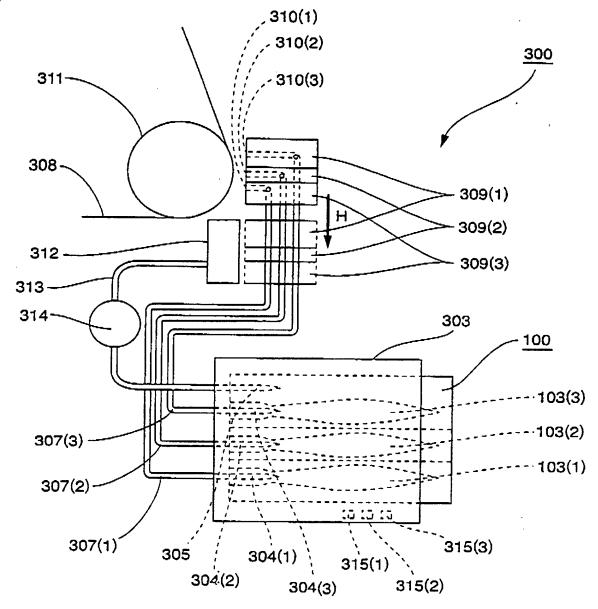
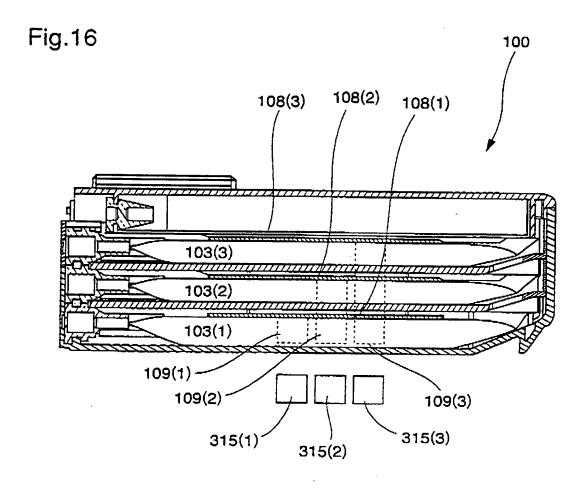
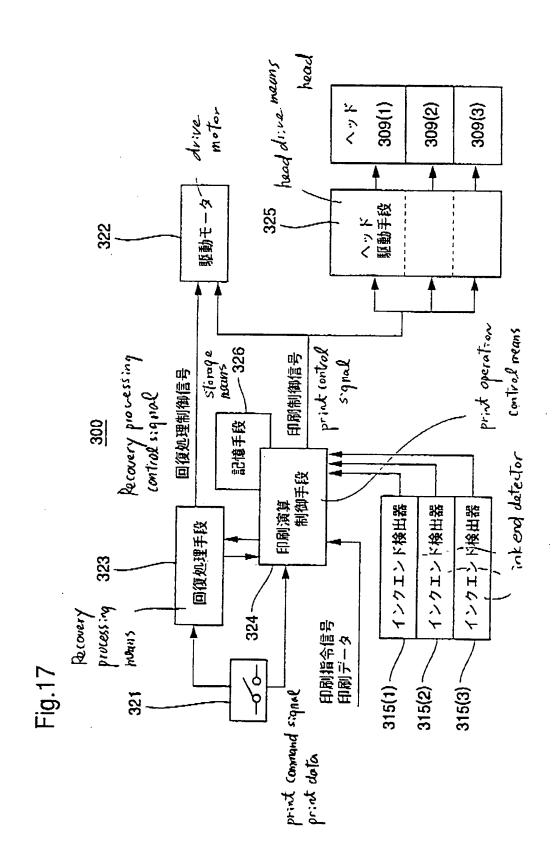


Fig.15







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Fig.18

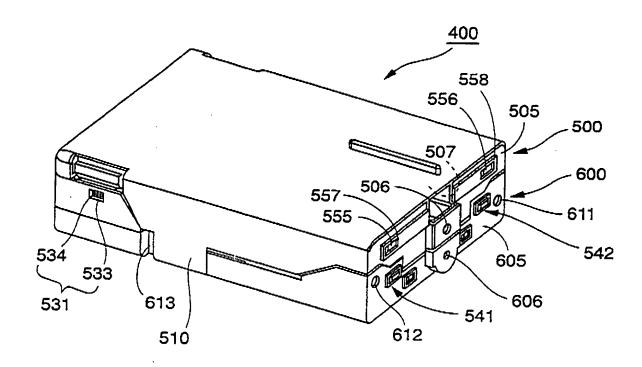
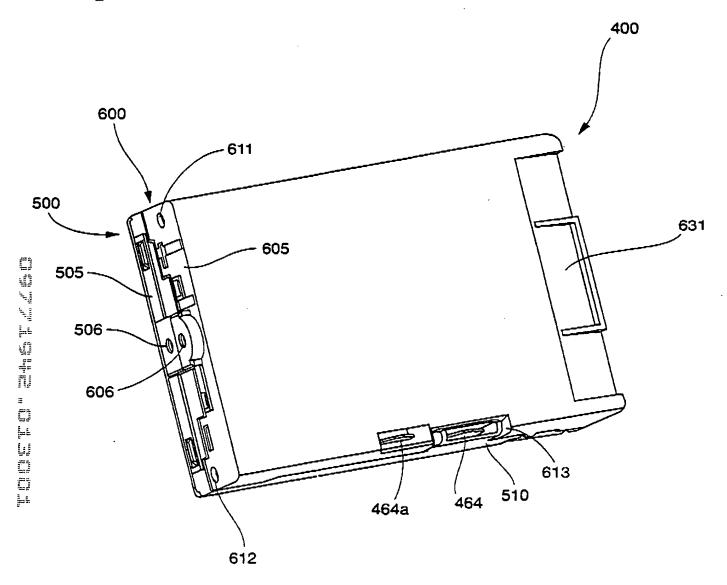


Fig.19





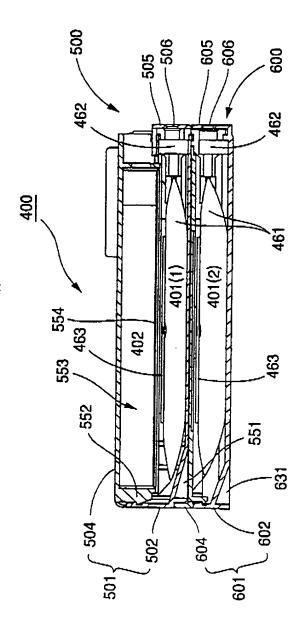


Fig.21

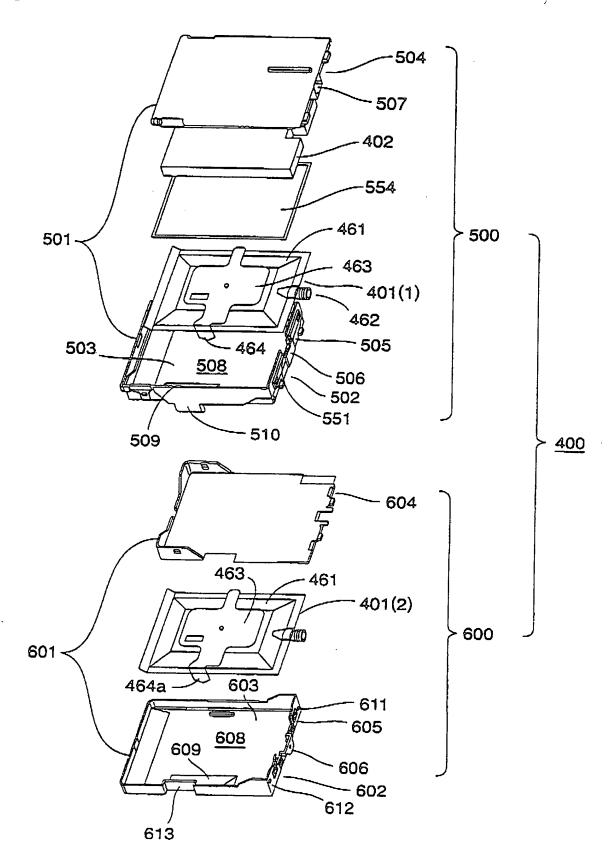


Fig.22

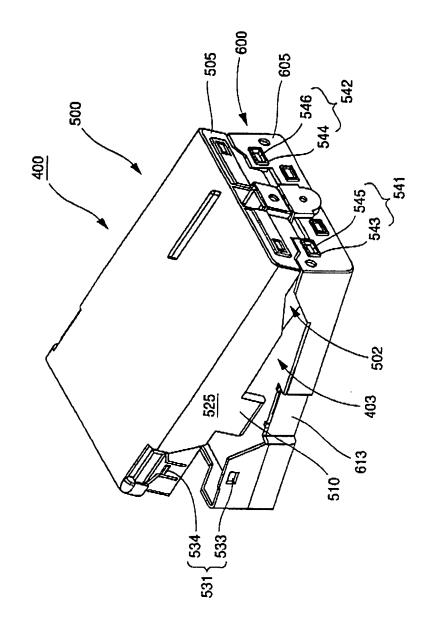


Fig.23

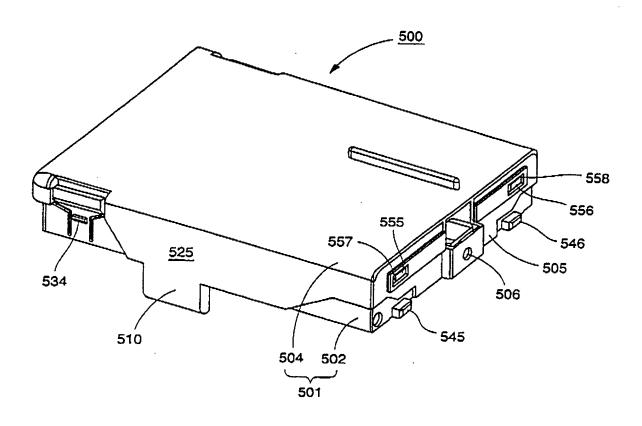
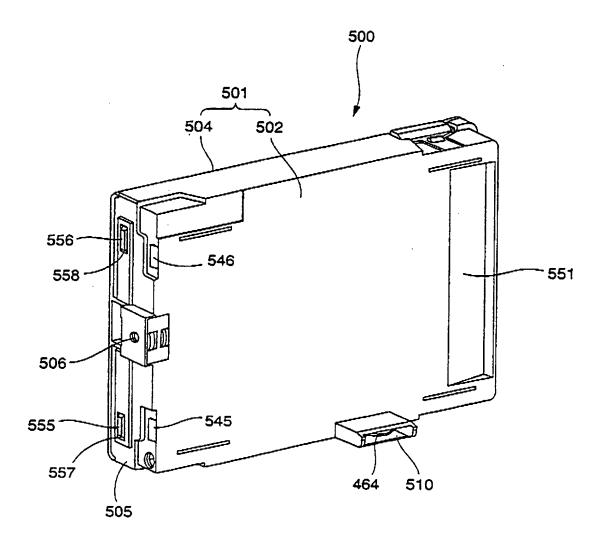
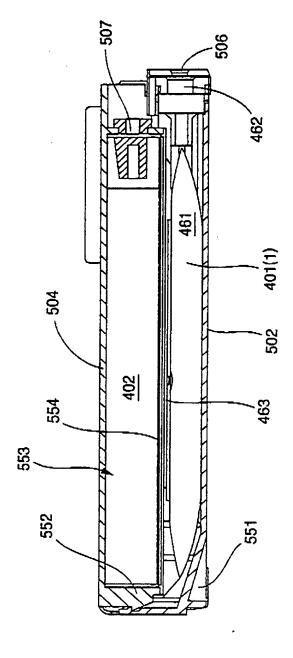


Fig.24





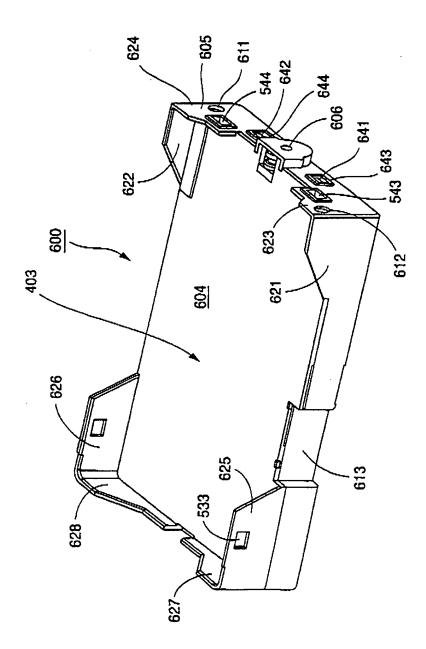


Fig.27

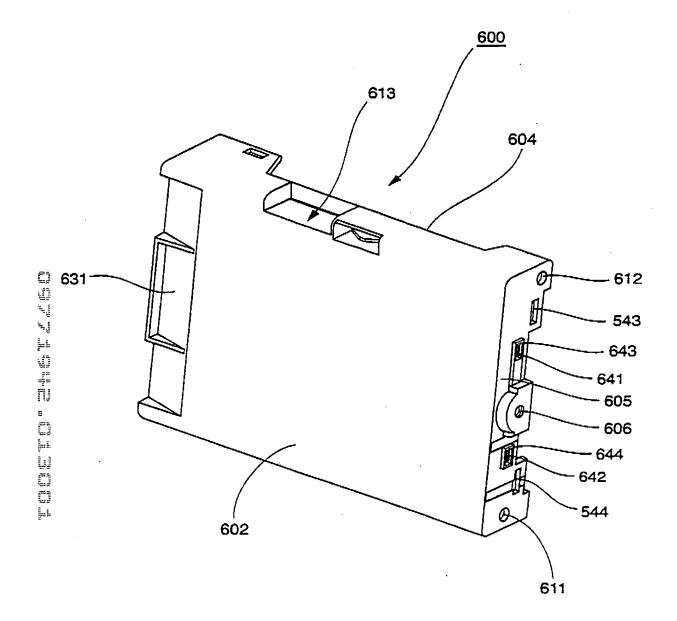


Fig.28

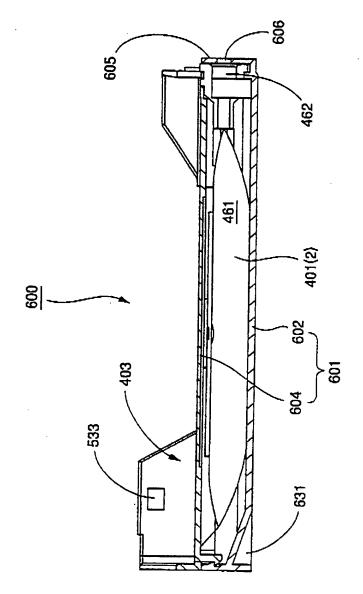


Fig.29

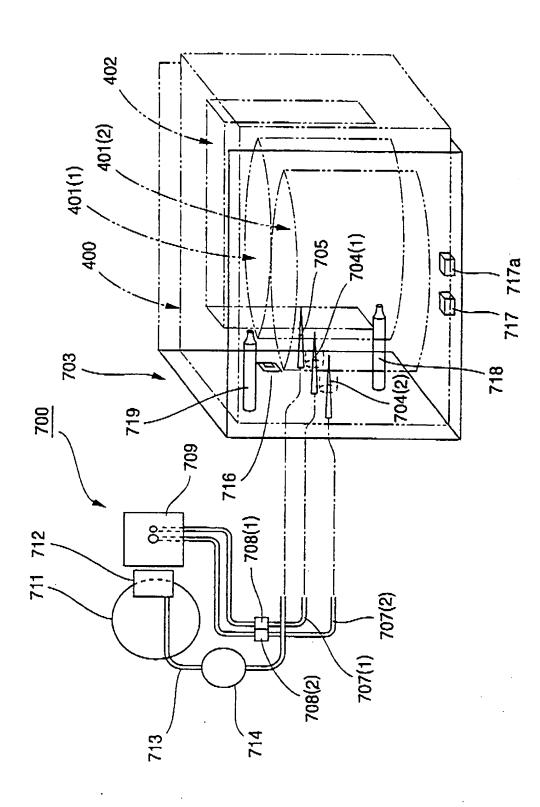


Table 1: In case of printing without color ink

First ink cartrige	second ink cartige	ink value for u	ink value for using printing	waste ink value	. alue
500	009	black ink	color ink	black ink	color ink
first	first	a1 (cc)	(cc) 0	(n2/n1) x b1 (cc)	b1 (cc)
	second	a2 (cc)	(cc)	(n2/n1) x b2 (cc)	b2 (cc)
	third	a3 (cc)	(cc)	(n2/n1) x b3 (cc)	b3 (cc)
	h,th	ap (cc)	0 (cc)	(n2/n1) x bp (cc)	bp (cc)
total			(cc)	(n2/n1) × ∑bi (cc)	Σ bi (cc)
Second (black ink) ca	cartridge	a1+(n2/n1)	x b1=a2+(n2	$a1 + (n2/n1) \times b1 = a2 + (n2/n1) \times b2 = \cdots = V2$	2
First (color ink) carti	artirge	$b1+b2+\cdots bp=\sum bi=V1$	$p = \sum bi = V1$		
waste ink value		(n2/n1) × ∑b	i+ Σ bi=((n2·	$(n2/n1) \times \Sigma bi + \Sigma bi = ((n2+n1)/n1) \times \Sigma bi$	

Table 2: In case of printing with color ink

First ink cartridge	Second ink cartridge		ink value for using printing	waste ink value	ne
500	600	black ink	color ink	black ink	color ink
frist	frist	(00) [P	(co) Lo	(n2/n1) x e1 (cc)	e1 (cc)
	second	d2 (cc)	c2 (cc)	(n2/n1) x e2 (cc)	e2 (cc)
,	p'th	(cc) dp	(cd) bo	(n2/n1) x eq (cc)	(၁၁) be
total			Σ ci (cc)	Σci (cc) (n2/n1) x Σθί (cc)	Σei (cc)
Second (black ink) ca	cartridge	d1+(n2/n1)	x e1 = d2 + (n;	$d1 + (n2/n1) \times e1 = d2 + (n2/n1) \times e2 = \cdots = V2$	
First (color ink) cartrige	rige	·(bɔ+··+tɔ)	+(e1+··+eq	$(c1+\cdots+cq)+(a1+\cdots+aq)=\sum ci+\sum ei=V1$	
waste ink		(n2/n1) × ∑e	i+∑ei={(n2·	$(n2/n1) \times \Sigma ei + \Sigma ei = ((n2+n1)/n1) \times \Sigma ei$	